

Reply Under 37 C.F.R. § 1.116 – Expedited Procedure

Serial No.: 09/702,512

Examiner: Djenane M. Bayard

REMARKS

Do Not Enter D.B.

Claims 1 through 53 were previously canceled. Claims 54 through 71 were previously added.

Rejections under 35 U.S.C. 102

The Office Action rejected claims under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,625,135 to Johnson et al. (the Johnson reference). However, the Johnson reference fails to teach or suggest the requirements of the claims.

Independent Claim 54 and dependent claims 55 through 65

The Johnson reference fails to teach or suggest the requirement, *inter alia*, of claim 54, “if the home agent supports simple multicast extensions for multicasting IP messages, allocating a source specific multicast address to the mobile node and appending the source specific multicast address in a source specific multicast address extension to a mobile IP registration reply.” The Johnson reference states at column 6, lines 1 through 8 that when the mobile node detects that it is on a foreign network, a care-of address is obtained from the foreign agent advertisement message (i.e. the foreign agent address R4 in Figure 2 address). The mobile node then registers its care-of address with the home agent, as stated at column 6, lines 9 through 11. Alternatively it states the mobile node may attempt to obtain a co-located care-of address using a service such as DHCP. Nowhere does this description provide that the home agent allocates a source specific multicast address to the mobile node and appends the source specific multicast address to the mobile IP registration reply to the mobile node.

Furthermore, the Johnson reference fails to teach or suggest the requirement, *inter alia*, of claim 54 of, “transmitting an agent advertisement message from a foreign agent in a foreign domain to be broadcast in the foreign domain, wherein the agent advertisement message includes a network access identifier extension that indicates a capability of the foreign agent to support source specific multicast services for multicasting IP messages.” At column 5, lines 63 through 65, the Johnson reference states that the foreign agent advertises its presence using agent advertisement messages. There is no description that the agent advertisement messages include a